

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Sugio MIYAZAWA

Filed: Concurrently Herewith

For: CERAMIC ENVELOPE FOR HIGH INTENSITY DISCHARGE LAMP

Box Patent Application  
Assistant Commissioner for Patents  
Washington DC 20231

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to the Box Patent Application, Assistant Commissioner for Patents, Washington D.C. 20231 on October 29, 2001 under "EXPRESS MAIL" mailing label number EV002151238 US.

*Gina M. Husak*  
Gina M. Husak

**PRELIMINARY AMENDMENT**

Sir:

Prior to examination, Applicant wishes to amend the subject application as follows:

**In the Title:**

Please change title from "CEARMIC ENVELOPE FOR HIGH INTENSITY DISCHARGE LAMP" to --CERAMIC ENVELOPE FOR INTENSITY DISCHARGE LAMP--.

**In the Claims:**

Please rewrite claims 5 and 6 as follows:

5. (Amended) A ceramic envelope for high intensity discharge lamp as claimed in claim 1, wherein the surface roughness Ra of the interior surface of the barrel section is from 0.01  $\mu\text{m}$  to 0.4  $\mu\text{m}$ , and the additive concentration of the surface of said barrel section is 1/2 or less of that in the vicinity of the center of the thickness.

6. (Amended) A ceramic envelope for high intensity discharge lamp as claimed in claim 3, wherein an additive consists of at least one or more kinds of  $\text{Sc}_2\text{O}_3$ ,  $\text{MgO}$ ,  $\text{ZrO}_2$ ,  $\text{Y}_2\text{O}_3$  and lanthanoid based rare earth oxide.

**REMARKS**

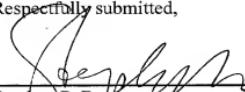
Prior to examination, Applicants respectfully request entry of this Amendment in which the specification has been amended to correct minor informalities.

Claims 1-6 are pending herein. Applicants have amended claims 5 and 6 to eliminate multiple dependent claims. No new matter has been added. Applicants believe the case is now in condition for examination. Attached hereto as page 3, pursuant to Rule 1.121(c)(1)(ii), is a marked-up copy of the amended claims.

If the Examiner believes that contact with applicant's attorney would be advantageous toward the disposition of this case, he is herein requested to call applicant's attorney at the phone number noted below.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446.

Respectfully submitted,

  
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5. (Amended) A ceramic envelope for high intensity discharge lamp as claimed in any of claims 1, 2, and 4~~claim 1~~, wherein the surface roughness Ra of the interior surface of the barrel section is from 0.01  $\mu\text{m}$  to 0.4  $\mu\text{m}$ , and the additive concentration of the surface of said barrel section is 1/2 or less of that in the vicinity of the center of the thickness.

6. (Amended) A ceramic envelope for high intensity discharge lamp as claimed in claim 3-~~or-5~~, wherein an additive consists of at least one or more kinds of  $\text{Sc}_2\text{O}_3$ ,  $\text{MgO}$ ,  $\text{ZrO}_2$ ,  $\text{Y}_2\text{O}_3$  and lanthanoid based rare earth oxide.

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